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Water-Data Report NV-2005

**10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV**

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

LOCATION.--Lat 39°09'54.99", long 119°43'20.01" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec.15, T.15 N., R.20 E., Carson City, Hydrologic Unit 16050202, on right bank, 1,100 ft downstream from North Edmonds Drive, and 1.1 mi south of intersection with U.S. Highway 50.

DRAINAGE AREA.--34.4 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--Jan 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for the periods Oct 1 to Oct 20, Aug 26 to Sep 30, and estimated daily discharges, which are poor. Flows prior to Sep 1986 included effluent discharge from Carson City Water Treatment Plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,110 ft<sup>3</sup>/s, Feb 19, 1986, gage height, 8.85 ft; maximum gage height, 9.32 ft, Jan 2, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 55 ft<sup>3</sup>/s, Oct 20, gage height, 6.07 ft; minimum daily discharge, 0.06 ft<sup>3</sup>/s, Oct 11, 12.

## 10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	e0.09	e1.0	0.80	e1.9	2.6	2.0	0.96	2.8	0.54	0.11	0.41	e0.31
<b>2</b>	e0.15	e1.0	0.81	e1.9	2.4	3.0	1.4	1.6	0.52	0.10	0.37	e0.30
<b>3</b>	e0.30	e1.7	0.82	e1.9	2.3	2.2	1.2	1.5	0.52	0.10	0.34	e0.28
<b>4</b>	e0.15	2.6	0.78	2.4	2.4	1.9	1.1	1.4	0.52	0.11	0.35	e0.27
<b>5</b>	e0.20	1.0	0.71	2.3	2.5	1.8	1.1	2.4	0.48	0.11	0.33	0.25
<b>6</b>	0.13	0.89	0.73	e2.3	2.7	1.8	1.1	1.8	0.49	0.12	0.30	0.24
<b>7</b>	0.10	0.84	6.2	e2.3	3.1	1.8	1.1	1.3	0.50	0.12	0.32	e0.23
<b>8</b>	0.09	0.85	12	e2.3	2.9	1.8	1.9	1.3	0.63	0.12	0.32	e0.22
<b>9</b>	0.08	0.90	5.8	e2.3	e2.0	1.8	3.1	5.7	0.75	0.11	0.29	e0.21
<b>10</b>	0.07	1.5	3.6	e2.3	e2.0	1.6	1.3	2.1	0.46	0.10	0.28	e0.20
<b>11</b>	0.06	3.6	2.6	e2.3	e1.9	1.6	1.0	1.7	0.44	0.10	0.27	e0.19
<b>12</b>	0.06	1.2	2.2	e2.3	e2.8	1.5	0.97	1.3	0.40	0.10	0.30	0.17
<b>13</b>	0.08	0.97	2.1	e2.3	e2.3	1.5	1.0	1.1	0.33	0.09	0.29	0.19
<b>14</b>	0.08	0.91	2.0	2.3	e2.0	1.4	1.1	0.98	0.33	0.10	0.28	0.18
<b>15</b>	0.09	1.0	1.9	2.3	e1.9	1.3	1.0	0.96	0.32	0.10	0.30	0.14
<b>16</b>	0.09	1.1	2.0	2.6	5.6	1.3	1.0	1.2	0.32	0.10	1.3	0.13
<b>17</b>	0.12	1.0	1.9	2.7	3.0	1.6	0.96	1.0	0.34	0.11	4.2	0.17
<b>18</b>	3.9	0.93	1.9	2.5	2.6	1.4	1.0	0.98	0.30	0.10	0.56	0.20
<b>19</b>	3.5	0.95	1.9	2.4	2.3	1.9	1.8	0.92	0.30	0.09	0.37	0.18
<b>20</b>	27	0.92	1.9	2.6	2.5	16	1.2	0.88	0.32	0.09	0.32	0.13
<b>21</b>	5.2	0.86	1.8	2.5	2.7	4.6	1.0	0.78	e0.25	0.08	0.31	e0.27
<b>22</b>	1.9	1.0	1.7	2.6	19	11	1.1	0.77	e0.20	0.08	0.30	e0.13
<b>23</b>	1.5	1.1	1.6	2.2	4.1	4.9	1.2	0.79	0.15	0.09	0.29	e0.08
<b>24</b>	3.1	0.97	1.6	2.2	2.7	1.7	1.1	0.72	0.12	0.09	0.26	e0.08
<b>25</b>	1.7	0.91	1.7	5.0	2.4	1.3	1.1	0.73	0.11	0.09	0.28	e0.09
<b>26</b>	5.1	1.1	1.7	6.2	2.2	1.3	1.4	0.70	0.12	0.09	0.71	e0.08
<b>27</b>	2.9	2.1	1.8	6.3	2.1	1.1	7.6	1.1	0.12	0.09	0.49	e0.09
<b>28</b>	e1.3	2.3	1.9	6.8	2.0	7.6	2.1	0.66	0.11	0.40	0.37	0.09
<b>29</b>	e1.0	1.5	e1.9	4.5	---	1.4	1.7	0.60	0.11	1.2	0.36	0.09
<b>30</b>	e1.0	0.87	e1.9	3.4	---	1.1	1.3	0.57	0.10	2.4	e0.34	0.09
<b>31</b>	e1.0	---	e1.9	2.9	---	0.98	---	0.55	---	0.57	e0.33	---
<b>Total</b>	62.04	37.57	72.15	90.8	89.0	86.18	44.89	40.89	10.20	7.26	15.54	5.28
<b>Mean</b>	2.00	1.25	2.33	2.93	3.18	2.78	1.50	1.32	0.34	0.23	0.50	0.18
<b>Max</b>	27	3.6	12	6.8	19	16	7.6	5.7	0.75	2.4	4.2	0.31
<b>Min</b>	0.06	0.84	0.71	1.9	1.9	0.98	0.96	0.55	0.10	0.08	0.26	0.08
<b>Ac-ft</b>	123	75	143	180	177	171	89	81	20	14	31	10

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2005, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	1.35	2.22	3.91	8.10	9.45	5.76	2.25	1.71	1.67	0.62	0.55	0.98
<b>Max</b>	11.8	7.98	25.4	81.9	91.9	24.5	11.5	9.20	9.67	5.52	3.84	5.52
(WY)	(1987)	(1987)	(1997)	(1997)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1987)
<b>Min</b>	0.04	0.24	0.25	0.25	0.42	0.35	0.15	0.17	0.05	0.02	0.01	0.00
(WY)	(2003)	(1991)	(1995)	(1994)	(1991)	(1988)	(1994)	(1992)	(2002)	(1988)	(1988)	(2002)

**10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2004</b>		<b>Water Year 2005</b>		<b>Water Years 1985 - 2005</b>	
<b>Annual total</b>	313.44		561.80			
<b>Annual mean</b>	0.86		1.54		3.07	
<b>Highest annual mean</b>					15.7	1986
<b>Lowest annual mean</b>					0.42	1991
<b>Highest daily mean</b>	27	Oct 20	27	Oct 20	775	Jan 2, 1997
<b>Lowest daily mean</b>	0.00	Aug 2	0.06	Oct 11	0.00	Jul 1, 1988
<b>Annual seven-day minimum</b>	0.00	Aug 7	0.07	Oct 8	0.00	Jul 1, 1988
<b>Maximum peak flow</b>			55	Oct 20	1,110	Feb 19, 1986
<b>Maximum peak stage</b>			6.07	Oct 20	9.32	Jan 2, 1997
<b>Annual runoff (ac-ft)</b>	622		1,110		2,230	
<b>10 percent exceeds</b>	1.9		2.8		6.9	
<b>50 percent exceeds</b>	0.37		1.0		0.44	
<b>90 percent exceeds</b>	0.03		0.10		0.06	